

What is claimed is:

1. An inkjet printer comprising:

a plurality of recording heads for jetting ink having different colors from each other,

wherein an image is recorded by moving the plurality of the recording heads over a recording medium that is conveyed along a conveyance direction, along a direction perpendicular to the conveyance direction;

each of the plurality of recording heads comprises a plurality of nozzles for jetting the ink as minute liquid drops;

the plurality of nozzles are arrayed at intervals of predetermined number of pixels along the conveyance direction in each of the plurality of recording heads; and

each nozzle of one recording head is arranged at a position shifted from each nozzle of the other recording head along the conveyance direction of the recording medium so as to dispose each nozzle of the one recording head within the interval of the predetermined number of pixels between the nozzles of the other recording head.

2. The printer of claim 1, wherein

the plurality of recording heads include four recording heads for respectively jetting the ink of yellow, magenta, cyan and black;

the plurality of nozzles are arrayed at intervals of

three pixels; and

each nozzle of three recording heads is arranged at a position shifted one pixel by one pixel from each nozzle of the other one recording head along the conveyance direction of the recording medium so as to dispose each nozzle of the three recording heads within the interval of three pixels between the nozzles of the other one recording head.

3. The printer of claim 1, wherein

the plurality of recording heads include four recording heads for respectively jetting the ink of yellow, magenta, cyan and black;

the plurality of nozzles are arrayed at intervals of seven pixels; and

each nozzle of three recording heads is arranged at a position shifted two pixels by two pixels from each nozzle of the other one recording head along the conveyance direction of the recording medium so as to dispose each nozzle of the three recording heads within the interval of seven pixels between the nozzles of the other one recording head.

4. The printer of claim 1, wherein the plurality of recording heads are combined with each other.

5. The printer of claim 1 further comprising:

light irradiation sections for irradiating light

toward the recording medium; and

a carriage capable of moving along the direction perpendicular to the conveyance direction,

wherein the ink is capable of being cured by the light irradiated or heat caused by the light irradiated;

the carriage comprises the plurality of recording heads and the light irradiation sections; and

the light irradiation sections are placed at two locations apart from each other along the direction perpendicular to the conveyance direction, and the plurality of recording heads are placed between the light irradiation sections.

6. A recording heads unit comprising:

a plurality of recording heads for jetting ink having different colors from each other,

wherein an image is recorded by moving the plurality of recording heads over a recording medium that is conveyed along a conveyance direction, along a direction perpendicular to the conveyance direction;

each of the plurality of recording heads comprises a plurality of nozzles for jetting the ink as minute liquid drops;

the plurality of nozzles are arrayed at intervals of predetermined number of pixels along the conveyance direction in each of the plurality of recording heads; and

each nozzle of one recording head is arranged at a

position shifted from each nozzle of the other recording head along the conveyance direction of the recording medium so as to dispose each nozzle of the one recording head within the interval of the predetermined number of pixels between the nozzle of the other recording head.

7. The unit of claim 6,

wherein the plurality of recording heads include four recording heads for respectively jetting the ink of yellow, magenta, cyan and black;

the plurality of nozzle are arrayed at intervals of three pixels; and

each nozzle of three recording heads is arranged at a position shifted one pixel by one pixel from each nozzle of the other one recording head along the conveyance direction of the recording medium so as to dispose each nozzle of the three recording heads within the interval of three pixels between the nozzle of the other one recording head.

8. The unit of claim 6,

wherein the plurality of recording heads include four recording heads for respectively jetting the ink of yellow, magenta, cyan and black;

the plurality of nozzles are arrayed at intervals of seven pixels; and

each nozzle of three recording heads is arranged at a position shifted two pixels by two pixels from each nozzle

of the other one recording head along the conveyance direction of the recording medium so as to dispose each nozzle of the three recording heads within the interval of seven pixels between the nozzles of the other one recording head.

9. The unit of claim 6, wherein the plurality of recording heads are combined with each other.

10. An inkjet printer comprising:

a plurality of heads groups, each heads group comprising a plurality of line heads as one unit for jetting ink having different colors from each other, the plurality of line heads extending in a direction perpendicular to a conveyance direction in which a recording medium is conveyed,

wherein the plurality of heads groups are arrayed from upstream to downstream along the conveyance direction;

each of the plurality of line heads comprises a plurality of nozzles for jetting the ink as minute liquid drops;

the plurality of nozzles are arrayed at intervals of predetermined number of pixels along a direction perpendicular to the conveyance direction in each of the plurality of line heads in each of the plurality of heads groups;

each nozzle of one line head is arranged at a

position shifted from each nozzle of the other line head along the direction perpendicular to the conveyance direction so as to dispose each nozzle of the one line head within the interval of the predetermined number of pixels between the nozzles of the other line head;

the plurality of line heads in one heads group are arranged according to the plurality of line heads in the other heads group so as to dispose the plurality of nozzles in the line heads in the one heads group and the plurality of nozzles in the line heads in the other heads group on the same columns along the conveyance direction; and

line heads having nozzles disposed on one same column jet the ink having different colors from each other.

11. The printer of claim 10,

wherein the plurality of line heads in each of the plurality of heads groups include four line heads for respectively jetting the ink of yellow, magenta, cyan and black;

the plurality of nozzles are arrayed at intervals of three pixels; and

each nozzle of three line heads is arranged at a position shifted one pixel by one pixel from each nozzle of the other one line head along the direction perpendicular to the conveyance direction so as to dispose each nozzle of the three line heads within the interval of three pixels between the nozzles of the other one line head.

12. The printer of claim 10,

wherein the plurality of line heads include four line heads for respectively jetting the ink of yellow, magenta, cyan and black;

the plurality of nozzles are arrayed at intervals of seven pixels; and

each nozzle of three line heads is arranged at a position shifted two pixels by two pixels from each nozzle of the other one line head along the direction perpendicular to the conveyance direction so as to dispose each nozzle of the three line heads within the interval of seven pixels between the nozzles of the other one line head.

13. The printer of claim 10, wherein the plurality of line heads in each of the plurality of heads groups are combined with each other.

14. The printer of claim 10,

wherein a light irradiation section is placed at a downstream side from the plurality of heads groups along the conveyance direction for irradiating light toward the recording medium and

the ink is capable of being cured by the light irradiated or heat caused by the light irradiated.

15. A recording heads unit comprising:

a plurality of heads groups, each heads group comprising a plurality of line heads as one unit for jetting ink having different colors from each other, the plurality of line heads extending in a direction perpendicular to a conveyance direction in which a recording medium is conveyed,

wherein the plurality of heads groups are arrayed from upstream to downstream along the conveyance direction;

each of the plurality of line heads comprises a plurality of nozzles for jetting the ink as minute liquid drops;

the plurality of nozzles are arrayed at intervals of predetermined number of pixels along a direction perpendicular to the conveyance direction in each of the plurality of line heads in each of the plurality of heads groups;

each nozzle of one line head is arranged at a position shifted from each nozzle of the other line head along the direction perpendicular to the conveyance direction so as to dispose each nozzle of the one line head within the interval of the predetermined number of pixels between the nozzles of the other line head;

the plurality of line heads in one heads group are arranged according to the plurality of line heads in the other heads group so as to dispose the plurality of nozzles in the line heads in the one heads group and the plurality of nozzles in the line heads in the other heads group on

the same columns along the conveyance direction; and

line heads having nozzles disposed on one same column
jet the ink having different colors from each other.

16. The unit of claim 15,

wherein the plurality of line heads in each of the
plurality of heads groups include four line heads for
respectively jetting the ink of yellow, magenta, cyan and
black;

the plurality of nozzles are arrayed at intervals of
three pixels; and

each nozzle of three line heads is arranged at a
position shifted one pixel by one pixel from each nozzle of
the other one line head along the direction perpendicular
to the conveyance direction so as to dispose each nozzle of
the three line heads within the interval of three pixels
between the nozzles of the other one line head.

17. The unit of claim 15,

wherein the plurality of line heads in each of the
plurality of heads groups include four line heads for
respectively jetting the ink of yellow, magenta, cyan and
black;

the plurality of nozzles are arrayed at intervals of
seven pixels; and

each nozzle of three line heads is arranged at a
position shifted two pixels by two pixels from each nozzle

of the other one line head along the direction perpendicular to the conveyance direction so as to dispose each nozzle of the three line heads within the interval of seven pixels between the nozzles of the other one line head.

18. The unit of claim 15, wherein the plurality of line heads in each of the plurality of heads groups are combined with each other.